

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method for transmitting data between at least two subscribers, comprising the steps of:

causing at least a first one of the at least two subscribers to transmit a pulse-width-modulated data signal at a first specifiable transmission rate;

causing at least a second one of the at least two subscribers to transmit at a second specifiable transmission rate an asynchronous data signal that includes binary signals, wherein:

the first specifiable transmission rate and the second specifiable transmission rate are different from each other; and

adjusting one of the first specifiable transmission rate and the second specifiable transmission rate such that the pulse-width-modulated data signal is simulated by a number of the binary signals of the asynchronous data signal, wherein:

the pulse-width modulated signal includes three characteristics that represent three states, a first state corresponding to a synchronization information, a second state corresponding to a low-signal information, and a third state corresponding to a high-signal information.

2. (Original) The method according to claim 1, wherein:

the step of adjusting includes increasing the second specifiable transmission rate.

3. (Original) The method according to claim 1, further comprising the steps of:

simulating the pulse-width-modulated data signal in one time segment by the number of the binary signals of the asynchronous data signal; and

at least one of stipulating and determining the asynchronous data signal as a function of the first specifiable transmission rate.

4. (Original) The method according to claim 1, further comprising the step of:

at least one of stipulating and determining the number of the binary signals that simulate the pulse-width-modulated data signal as a function of the second specifiable transmission rate.

5. (Original) The method according to claim 1, further comprising the step of:

variably stipulating at least the second specifiable transmission rate such that, as a result, the number of the binary signals per time segment, which can be determined from the first specifiable transmission rate, can be set.

6. (Original) The method according to claim 1, further comprising the step of:

transmitting data of the asynchronous data signal in data groups made of the binary signals including a start binary signal, at least one stop binary signal, and at least one data binary signal transmitted between the start binary signal and the at least one stop binary signal.

7. (Original) The method according to claim 1, wherein:

data are transmitted in synchronized form by the pulse-width-modulated data signal such that at a beginning of a data transmission at least one synchronization signal is transmitted.

8. (Currently Amended) A device for transmitting data, comprising:

at least a first subscriber transmitting a pulse-width-modulated signal at a first specifiable transmission rate;

at least a second subscriber transmitting an asynchronous data signal including binary signals at a second specifiable transmission rate;

a connection for performing a data transmission; and

an arrangement for adjusting at least one of the first specifiable transmission rate and the second specifiable transmission rate in order to simulate the pulse-width-modulated data signal by a number of the binary signals of the asynchronous data signal, wherein:

the pulse-width modulated signal includes three characteristics that represent three states, a first state corresponding to a synchronization information, a second state corresponding to a low-signal information, and a third state corresponding to a high-signal information.

9. (Original) The device according to claim 8, wherein:

the arrangement for adjusting increases the second specifiable transmission rate.

10. (Currently Amended) An interface for transmitting data between at least a first subscriber and at least a second subscriber, the at least first subscriber transmitting a pulse-width-modulated data signal at a first specifiable transmission rate, and the at least second subscriber transmitting at a second specifiable transmission rate an asynchronous data signal that includes binary signals, the interface comprising:

an arrangement for adjusting one of the first specifiable transmission rate and the second specifiable transmission rate in order to simulate the pulse-width-modulated data signal by a number of the binary signals of the asynchronous data signal, wherein:

the pulse-width modulated signal includes three characteristics that represent three states, a first state corresponding to a synchronization information, a second state corresponding to a low-signal information, and a third state corresponding to a high-signal information.

11. (Original) The interface according to claim 10, wherein:

the arrangement for adjusting increases the second specifiable transmission rate.